

SWBAT: convert voltage to sound

Jan 4-7:20 AM

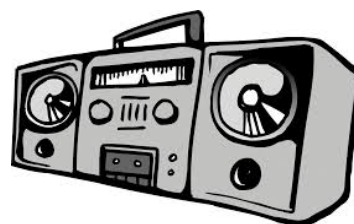
Welcome!!!

H. Leslie Grebe

- * Pick up:
 - slip of paper (for later)

Need to take the
test?

Centering



Opening Questions:

What makes sound? What would an electronic device have to do to make sound?

Sep 7-7:04 AM



Mystery Resistor - extra credit

- You may work alone or with at most one other person of your choosing.
- Get a "Mystery Resistor" labeled with a letter from Leslie
- Use the same equipment that our teams used in class. Take measurements that will allow you to calculate the resistance (in Ohms) of your resistor.
- You may work when there is spare time in class or arrange other time with Leslie.

Due by 3:00 Friday 3/28

Jan 19-7:12 AM

Yesterday...

- Turned battery voltage into motion

= electric motor

- Today, turn electric signal

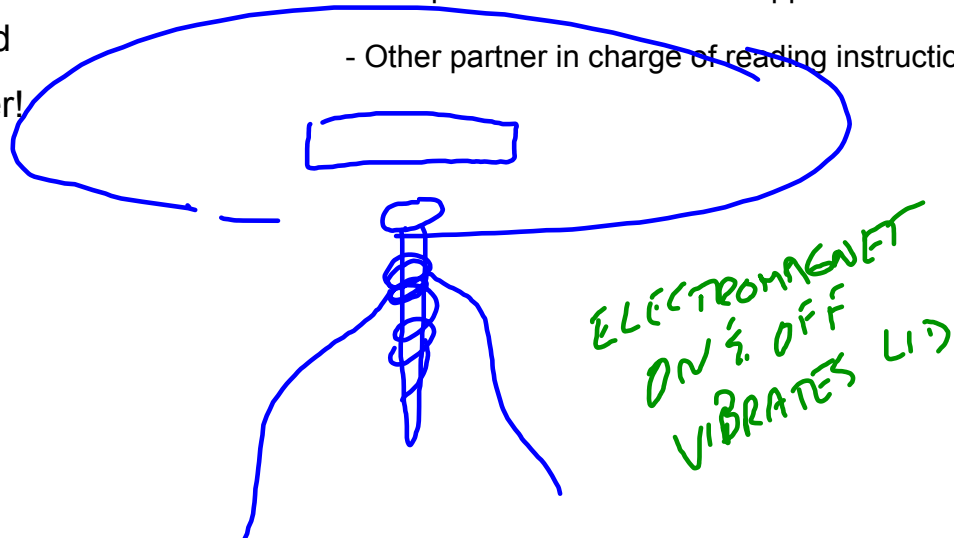
into sound

= speaker!

Building a Speaker:

- One partner come back for supplies

- Other partner in charge of reading instructions



Mar 29-7:38 AM

So, if voltage and current can make a magnet move,...

What could we do by **moving a magnet**???

- coil of wire
- strong magnet
- voltmeter
- motion

Mar 25-7:44 AM

Daily 3 Questions

CP: No homework

- * Every day except test/project days
- * 3 Questions on the topics of the day
- * Main source of daily points
- * I am happy to give credit when I have no concerns about someone giving or getting help with the answers.

You can't get your points if you don't have your **NAME!!!**

Name	Period
1.	
2.	
3.	

Sep 9-7:32 AM

1. The lid of the speaker vibrates to produce sound.
What caused the vibrations?

ELECTROMAGNET
ON + OFF

2. List 2 pieces we needed to build our speaker

WIRE, SCREW, MAGNET, CONTAINER

3. What does moving a magnet in a coil of wire make?

- a. gravity
- ☒ b. voltage
- c. chemical bonds

3. We need a resistor because

- a. it's prettier
- b. the stereo would burn out
- c. to create voltage

Mar 23-7:57 AM

Mar 24-10:27 AM